

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,307,003 B2  
APPLICATION NO. : 10/749103  
DATED : December 11, 2007  
INVENTOR(S) : Reif et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 3, line 25, delete "backside" and replace with -- backside; --.

Col. 3, line 66, delete "herein below," and replace with -- hereinbelow, --.

Col. 4, line 41, delete "FIG. 1A the" and replace with -- FIG. 1A, the --.

Col. 5, line 9, delete "layers 2a" and replace with -- layer 2a --.

Col. 6, line 24, delete "1  $\mu$ m)" and replace with -- 1  $\mu$ m, --.

Col. 6, line 33, delete "from as Zirconium" and replace with -- from Zirconium --.

Col. 6, line 40, delete "from as Zirconium" and replace with -- from Zirconium --.

Col. 6, line 49, delete "1" and replace with -- one --.

Col. 7, line 39, delete "upon on the" and replace with -- upon the --.

Col. 9, line 29, delete "adhesion/diffusion diffusion barrier" and replace with -- adhesion/diffusion barrier --.

Col. 9, line 52, delete "(not shown)" and replace with -- (not shown). --.

Col. 10, line 52, delete "embodiment a" and replace with -- embodiment, a --.

Col. 11, line 11, delete "as plasma" and replace with -- as a plasma --.

Col. 12, line 9-10, delete "connection, pathways," and replace with -- connection pathways, --.

Col. 12, line 13, delete "maybe" and replace with -- may be --.

Col. 12, line 25, delete "seems" and replace with -- seams --.

Col. 12, line 26, delete "contact" and replace with -- contacts --.

Col. 13, line 39, delete "above described" and replace with -- above-described --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,307,003 B2  
APPLICATION NO. : 10/749103  
DATED : December 11, 2007  
INVENTOR(S) : Reif et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 13, line 54, delete "form" and replace with -- forms --.

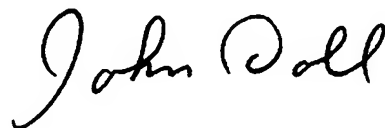
Col. 14, line 45, delete "characteristics etc." and replace with -- characteristics, etc. --.

Col. 15, line 2, delete "facilitates" and replace with -- facilitate --.

Col. 20, line 2, delete "corresponds" and replace with -- correspond --.

Signed and Sealed this

Fifth Day of May, 2009

A handwritten signature in cursive script that reads "John Doll".

JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*